

## Mammomat 300

**SP**

### Maintenance Protocol

Customer:

Department:

Room:

Address:

Contact person:

Telephone:

Cust. specific no.:

Customer no:

The maintenance instructions  
RXB7-120.101.01.02.02  
is required for this protocol

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**SIEMENS office:**

Address:

Region:

Country:

Contact person:

Telephone:

FSE in charge:

Telephone:

**Information regarding the maintenance protocol:**

The maintenance protocol records the results of the maintenance performed. As such it is proof that maintenance has been completed and performed at the prescribed intervals.

The maintenance results must be entered in the maintenance protocol.

The page numbers in the check list at the end of the protocol refer to the corresponding pages in the associated maintenance instructions (refer to the cover sheet).

The maintenance protocol must be completed by the FSE in charge.

- All fields must be completed. If a field does not apply to the system or if there is no information to be entered, enter 'n.a.' in the field.
- The customer number must be entered in the header of every page (CS No.) so that every page is assigned to a customer.
- In case of complaints, enter the product identification (IVK = WE) for the component as well as the type of complaint in the 'Open items' table provided. Record the open items in the table with the date and signature.  
In the event that there are no open items, cross out the entire table, record the date and initial.
- Enter the values measured during the maintenance in the space / table provided.
- After completing the maintenance, fill out page 3 of the protocol and sign it.

**Processing and archiving the maintenance protocol:**

The maintenance protocol is considered a record and must be archived. It must be filed after completion of maintenance in the corresponding Register of the Service binder or logbook. If necessary, a copy should be distributed to the customer.

## System Status

System:

Part No.:

Software Version:

Ser.No.:

Maintenance contract no.:

Type of contract:

The equipment has no problems.	<input type="checkbox"/>
The equipment <u>may</u> be used. The equipment has minor problems that do not cause restrictions in use. Siemens recommends scheduling service to repair the problems. (see page 5)	<input type="checkbox"/>
The equipment <u>may not</u> be used. The equipment has major problems that <u>restrict its use</u> . Siemens strongly recommends that the equipment not be used until the problem has been resolved. (see page 5)	<input type="checkbox"/>

Location	
Date	
Name of FSE	
Signature	

## Explanation of the acronyms:

Abbrev.	Explanation
SI	Safety Inspection
SIE	Electrical Safety Inspection
SIM	Mechanical Safety Inspection
PM	Preventive Maintenance
PMP	Preventive Maintenance Preventive Parts Replacement, External Inspection, etc.
PMA	Preventive Maintenance Adjustments
PMF	Preventive Maintenance , Function Check, Operating Value Check
Q	Quality Check
QIQ	Image Quality Check
QSQ	System Quality Check
SW	Software Maintenance
FSE	Field Service Engineer
CS No.	Customer- specific number
IVK	Installed Volume Components
WE	Maintenance Unit

## Open items

IVK (WE)	Component	Open items	Resolved: (Date)	FSE (Signature)

**Measurement devices**

Please record all measurement devices used.

Measurement Device	Type	Serial No.	Date of use	Next calibration

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		OK	not OK	n.a.	Page
<b>1</b>	<b>General information</b>				<b>1 - 1</b>
1.1.	Training				1 - 1
1.2.	Required documents				1 - 1
1.3.	Required tools, measurement and auxiliary devices				1 - 1
1.4.	Required lubricants				1 - 1
1.5.	Text emphasis				1 - 2
1.6.	Safety Information and Preventive Measures				1 - 2
<b>2</b>	<b>System</b>				<b>2 - 1</b>
2.1.	<b>Checks</b>				<b>2 - 1</b>
PMP	Radiation protection	○	○	○	2 - 1
SIM	Swivel arm / PPS tube - attachment	○	○	○	2 - 1
SIM	Basic table	○	○	○	2 - 1
SIM	Level	○	○	○	2 - 1
PMP	Head guard and compression fixtures	○	○	○	2 - 1
2.2.	<b>Preparations</b>				<b>2 - 2</b>
SIE	Cables	○	○	○	2 - 2
<b>3</b>	<b>Column stand</b>				<b>3 - 1</b>
3.1.	<b>Checks</b>				<b>3 - 1</b>
SIM	Steel ropes	○	○	○	3 - 1
PMA	Oil and grease	○	○	○	3 - 1
SIE	Limit switches	○	○	○	3 - 1
PMF	Vertical travel	○	○	○	3 - 1
SIM	Safety catch and rotation safety catch	○	○	○	3 - 1
SIM	Mounting for the X-ray tube	○	○	○	3 - 1
PMA	Grease the grid spindle	○	○	○	3 - 1
<b>4</b>	<b>Compression and System Movements</b>				<b>4 - 1</b>
4.1.	<b>Testing the "compression" function</b>				<b>4 - 1</b>
4.1.1	<b>Switching off</b>				<b>4 - 1</b>
PMF	Presetting	○	○	○	4 - 1
SIE	Max. value switch off	○	○	○	4 - 1
PMF	OPCOMP	○	○	○	4 - 1
4.2.	<b>Testing the "decompression" function</b>				<b>4 - 2</b>
4.2.1	<b>Switching off</b>				<b>4 - 2</b>
SIE	Safety Switch	○	○	○	4 - 2
4.2.2	<b>Travel</b>				<b>4 - 2</b>
PMF	Compression travel	○	○	○	4 - 2
4.2.3	<b>Applying Oil and Grease</b>				<b>4 - 2</b>
PMA	Oil and grease the compression unit	○	○	○	4 - 2
4.3.	<b>Compression Thickness Display</b>				<b>4 - 3</b>
PMF	Thickness indicator	○	○	○	4 - 3
4.4.	<b>Checking miscellaneous system movements</b>				<b>4 - 3</b>

		OK	not OK	n.a.	Page
<b>4.4.1</b>	<b>Check</b>				<b>4 - 3</b>
	SIE Switch off	○	○	○	4 - 3
	PMF Rotation movements	○	○	○	4 - 3
	SIM Blocking the rotation and vertical travel	○	○	○	4 - 3
<b>5</b>	<b>Test exposures</b>				<b>5 - 1</b>
<b>5.1.</b>	<b>Evaluating test values</b>				<b>5 - 1</b>
	PMF Tube assembly boost	○	○	○	5 - 1
	PMF kV and mA	○	○	○	5 - 1
	PMF mAs selection	○	○	○	5 - 1
	PMF mAs value displayed	○	○	○	5 - 1
	PMF Grid voltage	○	○	○	5 - 1
	PMF Signal lamp	○	○	○	5 - 1
<b>5.2.</b>	<b>Testing dose rate control</b>				<b>5 - 1</b>
	PMF Dose rate control	○	○	○	5 - 1
<b>5.3.</b>	<b>Testing the radiation field / light field</b>				<b>5 - 1</b>
	PMF Format collimation	○	○	○	5 - 1
<b>5.4.</b>	<b>Testing image quality</b>				<b>5 - 2</b>
	PMF Automatic decompression	○	○	○	5 - 2
<b>5.5.</b>	<b>Evaluating the films</b>				<b>5 - 2</b>
	QIQ Phantom exposures	○	○	○	5 - 2
<b>6</b>	<b>Miscellaneous</b>				<b>6 - 1</b>
<b>6.1.</b>	<b>Blocking exposure release</b>				<b>6 - 1</b>
	PMF Blocking	○	○	○	6 - 1
<b>6.2.</b>	<b>Checks</b>				<b>6 - 1</b>
	SIE Emergency STOP	○	○	○	6 - 1
	PMF Indicators	○	○	○	6 - 1
	PMP Error memory	○	○	○	6 - 1
	PMP Record the error memory	○	○	○	6 - 1
	PMP Delete the error memory	○	○	○	6 - 1
	PMF Auxiliary voltages	○	○	○	6 - 1
	PMA High voltage cable and plug:	○	○	○	6 - 2
	PMF Cassette locking	○	○	○	6 - 2
	PMA UI's and SPEED Infos	○	○	○	6 - 2
<b>6.3.</b>	<b>Final tests</b>				<b>6 - 3</b>
	PMF Operating problems	○	○	○	6 - 3
	PMP Covers	○	○	○	6 - 3
	SIE Protective conductor test	○	○	○	6 - 3
	PMP Cleaning / Damaged paint	○	○	○	6 - 3
	QSQ Final test exposure	○	○	○	6 - 3
<b>7</b>	<b>Changes to previous version</b>				<b>7 - 1</b>